

Bridge Inspection Report

16795
County Road 42
over
Vineyard Branch Seb. Co.



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

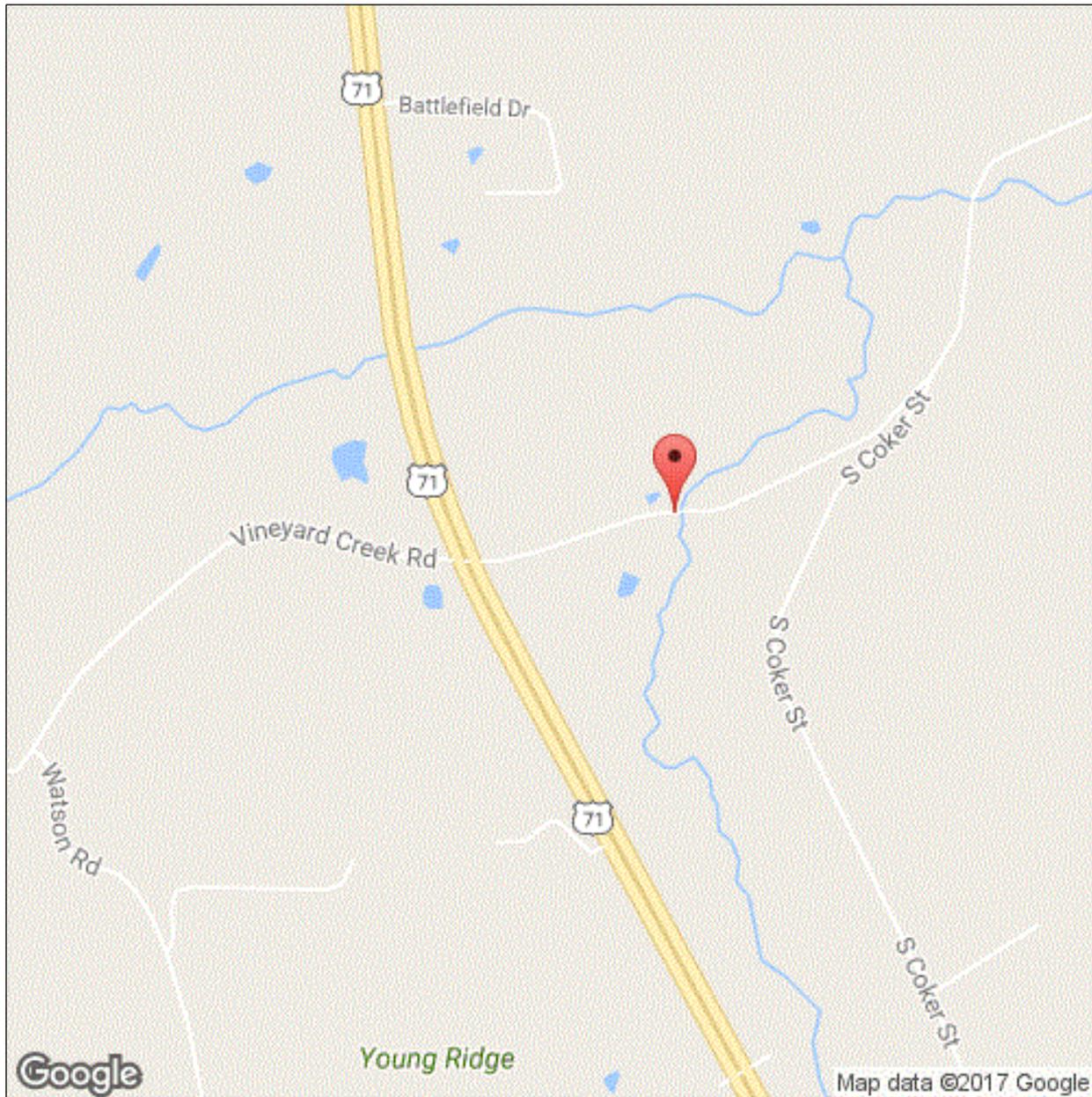
Structure Number: 16795

Inspection Date:

Facility Carried: County Road 42

Bridge Inspection Report

Location Map



Latitude: 35.179951

Longitude: -94.281914

Inspector:

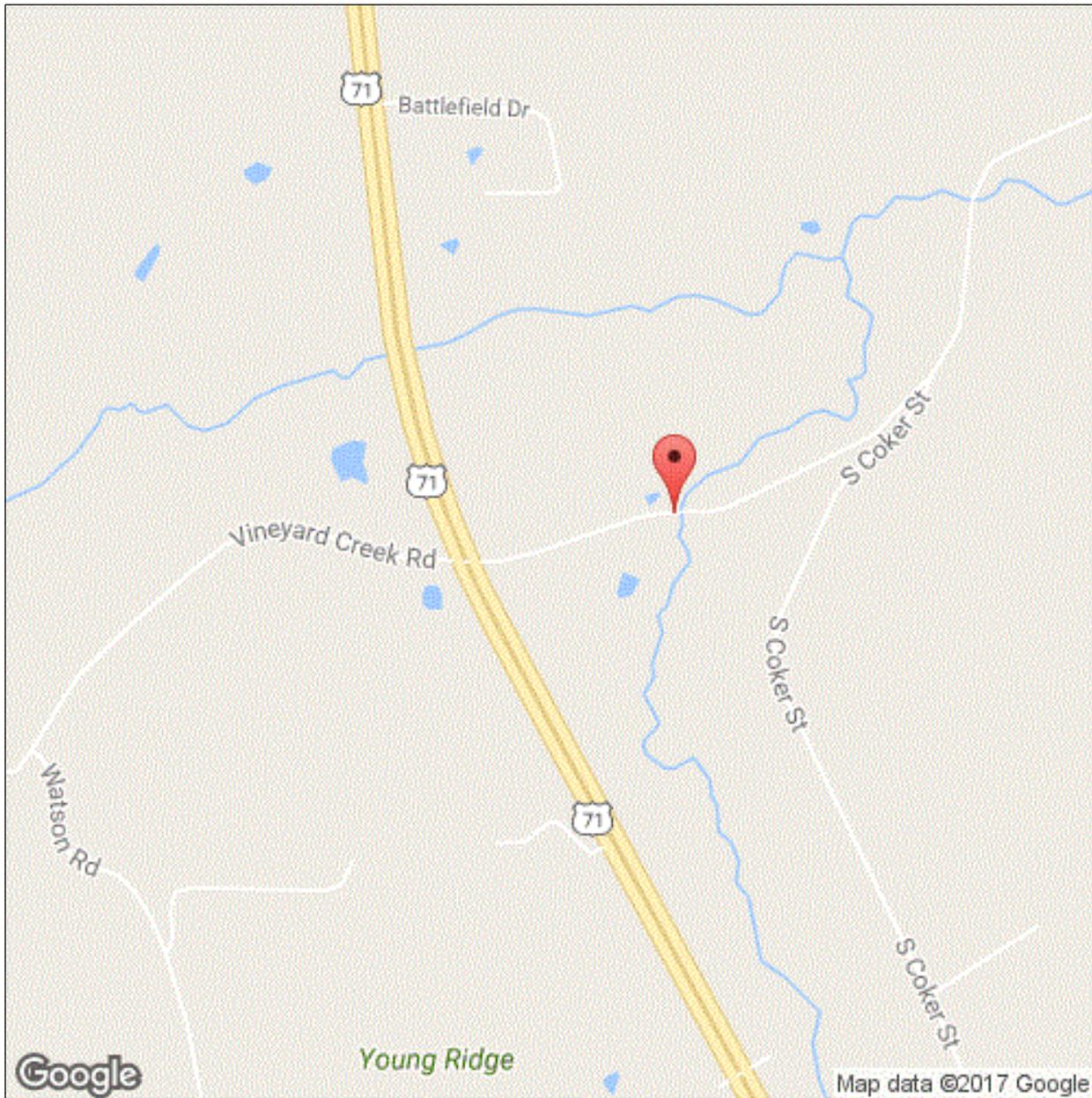
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Inspector:

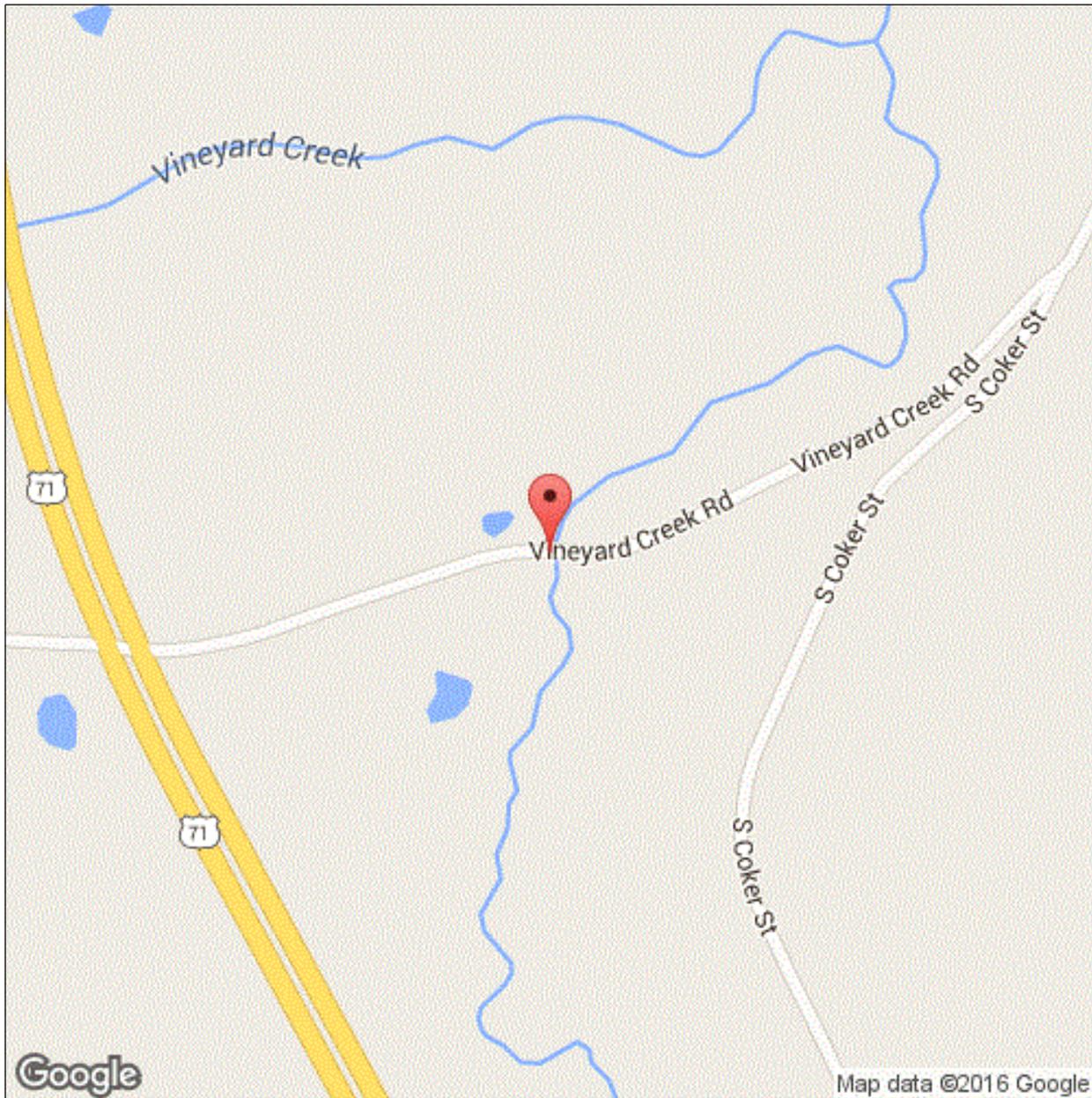
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Executive Summary

01/08/2016 - JCJ & JML - Type 2 Underwater Inspection - Wading and probing during low water conditions indicate that the footings have cover with no apparent scour problems at this inspection. Rip rap placed by maintenance forces in the past (Scour Countermeasures) is still in place at Bent # 1 and appears to be functioning as intended at this inspection.

Inspector:

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Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | | | INSPECTIONS | | | |
|---|------------------------------------|------------------------------------|------------|---|---------------|-------------------|------|
| (1) STATE CODE | 056 - Arkansas | | | (90) INSPECTION DATE | 01/10/2017 | | |
| (8) STRUCTURE NUMBER | 16795 | | | (91) DESIGNATED INSPECTION FREQUENCY | 24 | | |
| (5) INV. ROUTE (ON/UNDER) | 1 | 4 | 1 42 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE | | |
| (2) HIGHWAY AGENCY | 04 | (3) COUNTY CODE | 131 | A. FRACTURE CRITICAL DETAIL | N | | |
| (4) PLACE CODE | 00000 | | | B. UNDERWATER INSPECTION | N | | |
| (6) FEATURES INTERSECTED | Vineyard Branch Seb. Co. | | | C. OTHER SPECIAL | N | | |
| (7) FACILITY CARRIED | County Road 42 | | | CONDITION | | | |
| (9) LOCATION | 0.25MI E US 71 | | | (58) DECK | 6 | | |
| (11) MILEPOINT | 2.049 | (12) BASE HIGHWAY NETWORK | 0 | (59) SUPERSTRUCTURE | 7 | (60) SUBSTRUCTURE | 5 |
| (13A) LRS INVENTORY ROUTE | 0000000000 | (13B) SUBROUTE NUMBER | 00 | (61) CHANNEL & CHANNEL PROTECTION | 5 | (62) CULVERT | N |
| (16) LATITUDE | 35.179951 | (17) LONGITUDE | -94.281914 | LOAD RATING AND POSTING | | | |
| (98A) BORDER BRIDGE CODE | | | | (31) DESIGN LOAD | 2 | | |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | | | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 | | |
| STRUCTURE TYPE AND MATERIAL | | | | (64) OPERATING RATING | 23.0 | | |
| (43) STRUCTURE TYPE, MAIN | | | | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 | | |
| A) KIND OF MATERIAL/DESIGN: | 3 - Steel | | | (66) INVENTORY RATING | 14.0 | | |
| B) TYPE OF DESIGN/CONSTR: | 02 - Stringer/Multi-beam or Girder | | | (70) BRIDGE POSTING | 0 | | |
| (44) STRUCTURE TYPE, APPROACH SPANS | | | | (41) STRUCTURE OPEN/POSTED/CLOSED | P | | |
| A) KIND OF MATERIAL/DESIGN: | 0 - Other | | | APPRAISAL | | | |
| B) TYPE OF DESIGN/CONSTR: | 00 - Other | | | (67) STRUCTURAL EVALUATION | 4 | | |
| (45) NUMBER OF SPANS IN MAIN | 1 | (46) NUMBER OF APPROACH | 0 | (68) DECK GEOMETRY | 4 | | |
| (107) DECK STRUCTURE TYPE | 1 | (108A) WEARING SURFACE | 1 | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | N | | |
| (108B) DECK MEMBRANE | 0 | (108C) DECK PROTECTION | 0 | (71) WATERWAY ADEQUACY | 6 | | |
| AGE OF SERVICE | | | | (72) APPROACH ROADWAY ALIGNMENT | 6 | | |
| (27) YEAR BUILT | 1940 | (106) YEAR RECONSTRUCTED | 1967 | (36) TRAFFIC SAFETY FEATURE | | | |
| (42) TYPE OF SERVICE | ON 1 | UNDER | 5 | 36A) BRIDGE RAILINGS: | 0 | | |
| (28) LANES | ON 02 | UNDER | 00 | 36B) TRANSITIONS: | 0 | | |
| (29) AVERAGE DAILY TRAFFIC | 200 | (19) BYPASS DETOUR LENGTH | 2 | 36C) APPROACH GUARDRAIL: | 0 | | |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | 2017 | | | 36D) APPROACH GUARDRAIL ENDS: | 0 | | |
| (109) AVERAGE DAILY TRUCK TRAFFIC | 3 | | | (113) SCOUR CRITICAL BRIDGES | 5 | | |
| GEOMETRIC DATA | | | | SUFFICIENCY RATING | 0 | STATUS | 44.0 |
| (48) LENGTH OF MAX SPAN (ft.) | 28 | (49) STRUCTURE LENGTH (ft.) | 30 | CLASSIFICATION | | | |
| (50) CURB/SIDEWALK WIDTHS (ft.) | LEFT 0 | RIGHT | 0 | (112) NBIS BRIDGE LENGTH | Y | | |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | 20.0 | | | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 0 | | |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | 21.4 | | | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 09 | | |
| (32) APPROACH ROADWAY WIDTH (ft.) | 20.0 | | | (100) STRAHNET HIGHWAY DESIGNATION | 0 | | |
| (33) BRIDGE MEDIAN | 0 | (34) SKEW (DEG.) | 0 | (101) PARALLEL STRUCTURE DESIGNATION | N | | |
| (35) STRUCTURE FLARED | 0 | (10) INV RTE, MIN VERT CLEAR (ft.) | 99.99 | (102) DIRECTION OF TRAFFIC | 2 | | |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | 20.0 | | | (103) TEMP STRUCTURE | | | |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) | 99.99 | | | (105) FEDERAL LANDS HIGHWAYS | 0 | | |
| (54) VERTICAL UNDER CLEARANCE (ft.) | N | | 0 | (110) DESIGNATED NATIONAL NETWORK | 0 | | |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) | N | | 99.9 | (20) TOLL | 3 | | |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) | 0 | | | (21) MAINTENANCE RESPONSIBILITY | 02 | | |
| PROPOSED IMPROVEMENTS | | | | (22) OWNER | 02 | | |
| (75A) TYPE OF WORK PROPOSED | 35 | (75B) WORK DONE BY | 1 | (37) HISTORICAL | 4 | | |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) | 30 | | | NAVIGATION DATA | | | |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | | | (38) NAVIGATION CONTROL | 0 | | |
| (95) ROADWAY IMPROVEMENT COST (\$) | 0 | | | (111) PIER OR ABUTMENT PROTECTION | 1 | | |
| (96) TOTAL PROJECT COST | 28 | | | (39) NAV VERT CLEARANCE (ft.) | 0 | | |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE | 2003 | | | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0 | | |
| (114) FUTURE ADT | 250 | (115) YEAR OF FUTURE ADT | 2037 | (40) NAV HORIZONTAL CLEARANCE (ft.) | 0 | | |

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Bridge Inspection Report

Element Inspection

- No items available

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Pictures

Inspector:

Inspection Date:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/8/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: Repair

Deficiency Description:

Deck -

The deck has a sealable full depth longitudinal crack that spans the entire length of the deck. The longitudinal crack is visible in the driving surface and the undersurface of the deck between beams # 2 and # 3. Leakage through the full depth crack is evident on the undersurface surrounding the crack.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Forward Local



PHOTO 1 Description Deck crack.

Stage: Forward Local



PHOTO 2 Description Deck soffit crack. Bay 2.

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Maintenance Needs

Stage: Forward Local



PHOTO 3 Description Deck. Typical

Stage: Forward Local



PHOTO 4 Description Bay 2 deck soffit.

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Maintenance Needs

Date Reported: 1/8/2014 12:00:00 AM

Priority: D - Routine

Work Code: Repair

Deficiency Description:

East and West abutments -

The left side of the west abutment has soft and deteriorating concrete with areas along the base of the stem wall that have approximately 2 inches of concrete section loss.

The east abutment has light grout deterioration between the stones in the lower part of the rock masonry stem wall.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Forward Local



PHOTO 1 Description Bent 1. Concrete.

Stage: Forward Local



PHOTO 2 Description Bent 2. Typical

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Maintenance Needs

Stage: Forward Local



PHOTO 3 Description West abutment. Soft deteriorated concrete.

Stage: Forward Local



PHOTO 4 Description Bent 2. Typical

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Maintenance Needs

Date Reported: 1/8/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: Repair

Deficiency Description:

Bridge railing -

The light weight tubing used for bridge railing has collision damage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Forward Local



PHOTO 1 Description Right bridge railing.

Stage: Forward Local



PHOTO 2 Description Right bridge railing